

L Number	Hits	Search Text	DB	Time stamp
1	8070	photovoltaic	USPAT; US-PPGPUB	2002/03/26 07:26
2	12	photovoltaic same (transponder)	USPAT; US-PPGPUB	2002/03/26 07:37
3	2	nova\$.in. and photovoltaic	USPAT; US-PPGPUB	2002/03/26 07:37

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=> s transponder# and photovoltaic
      2 FILE AEROSPACE
      2 FILE COMPENDEX
40 FILES SEARCHED...
      2 FILE ENERGY
      6 FILE EUROPATFULL
      3 FILE IFIPAT
      1 FILE INSPEC
      2 FILE ISMEC
      4 FILE JICST-EPLUS
80 FILES SEARCHED...
      3 FILE NLDB
      1 FILE NTIS
     24 FILE PCTFULL
      8 FILE PROMT
      1 FILE SCISEARCH
109 FILES SEARCHED...
     55 FILE USPATFULL
      1 FILE WPIDS
      1 FILE WPINDEX
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16 FILES HAVE ONE OR MORE ANSWERS, 123 FILES SEARCHED IN STNINDEX

L1 QUE TRANSPONDER# AND PHOTOVOLTAIC

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=> d rank
F1          55  USPATFULL
F2          24  PCTFULL
F3           8  PROMT
F4           6  EUROPATFULL
F5           4  JICST-EPLUS
F6           3  IFIPAT
F7           3  NLDB
F8           2  AEROSPACE
F9           2  COMPENDEX
F10          2  ENERGY
F11          2  ISMEC
F12          1  INSPEC
F13          1  NTIS
F14          1  SCISEARCH
F15          1  WPIDS
F16          1  WPINDEX
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=> file f3-16
COST IN U.S. DOLLARS          SINCE FILE        TOTAL
                                ENTRY          SESSION
FULL ESTIMATED COST          2.35          2.50
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FILE 'WPINDEX' ACCESS NOT AUTHORIZED

=> s 11
L2 36 L1

=> dup rem 12
PROCESSING COMPLETED FOR L2
L3 32 DUP REM L2 (4 DUPLICATES REMOVED)

=> d 1-32 ti

L3 ANSWER 1 OF 32 PROMT COPYRIGHT 2002 Gale Group

TI EMCORE Enters Agreement to Acquire Tecstar's Applied Solar Division.

L3 ANSWER 2 OF 32 PROMT COPYRIGHT 2002 Gale Group

TI EMCORE Corporation Announces Preliminary Results for Fourth Quarter and
Fiscal Year 2001.

L3 ANSWER 3 OF 32 PROMT COPYRIGHT 2002 Gale Group

TI Loral Reports 2000 Year-end Results; Posts Record Bookings and Backlog;
Refines Strategy to Focus On Core Businesses.

L3 ANSWER 4 OF 32 PROMT COPYRIGHT 2002 Gale Group

TI 39th Annual R&D 100 Awards. (Cover Story) (Industry Overview)

L3 ANSWER 5 OF 32 EUROPATFULL COPYRIGHT 2002 WILA
TIEN AERIAL CABLEWAY LEADING TO AN AEROSTATIC AIRBORNE BODY.

L3 ANSWER 6 OF 32 IFIPAT COPYRIGHT 2002 IFI

TI AERIAL CABLEWAY LEADING TO AN AEROSTATIC AIRBORNE BODY

L3 ANSWER 7 OF 32 PROMT COPYRIGHT 2002 Gale Group

TI EMCORE Announces Record Fourth Quarter and Year-End Results.

L3 ANSWER 8 OF 32 PROMT COPYRIGHT 2002 Gale Group

TI Space Systems/Loral Power Equipment for Space Station to be Launched On Upcoming Space Shuttle Flight.

L3 ANSWER 9 OF 32 COPYRIGHT 2002 Gale Group

TI Space Systems/Loral Power Equipment for space station to be launched on upcoming space shuttle flight; Batteries and power electronics to be launched on Space Station Flight 4A aboard Space Shuttle Endeavor.

L3 ANSWER 10 OF 32 EUROPATFULL COPYRIGHT 2002 WILA
TIEN Implant device for internal-external electromyographic recording, particularly for the *in vivo* study of electromotor activity of the digestive system.

L3 ANSWER 11 OF 32 EUROPATFULL COPYRIGHT 2002 WILA
TIEN Information management system supporting multiple electronic tags.

L3 ANSWER 12 OF 32 IFIPAT COPYRIGHT 2002 IFI
TI METHOD OF DETERMINING THE SEQUENCE OF NUCLEIC ACIDS EMPLOYING SOLID-PHASE PARTICLES CARRYING TRANSPONDERS

L3 ANSWER 13 OF 32 ENERGY COPYRIGHT 2002 USDOE/IEA-ETDE
TI Conception and development of an energy unit (Keyword: a-Si solar cell). Final report.
Energieautarke Mikrosysteme-Autark. Teilvorhaben: Konzeption und Entwicklung einer Energieeinheit (Stichwort: a-Si-Solarzelle). Schlussbericht.

L3 ANSWER 14 OF 32 PROMT COPYRIGHT 2002 Gale Group

TI BP and Amoco Merge to Enter Global Top Trio of Oil Majors

L3 ANSWER 15 OF 32 EUROPATFULL COPYRIGHT 2002 WILA
TIEN Structural adaptor for the loading bay of a carrier rocket.
TIEN Structural adaptor for the loading bay of a carrier rocket.

L3 ANSWER 16 OF 32 AEROSPACE COPYRIGHT 2002 CSA DUPLICATE 1
TI ACTS for Distance Education in Developing Countries

L3 ANSWER 17 OF 32 EUROPATFULL COPYRIGHT 2002 WILA
TIEN ELECTRONIC DOOR LOCKING SYSTEM FOR MOTOR VEHICLES.

L3 ANSWER 18 OF 32 EUROPATFULL COPYRIGHT 2002 WILA
TIEN SPACECRAFT POWER BUS REGULATION USING SOLAR PANEL POSITION.

L3 ANSWER 19 OF 32 WPIDS COPYRIGHT 2002 DERWENT INFORMATION LTD
TI Push-pull full shunt switching bus voltage limiter with current sense capability e.g. for use in spacecraft - has control circuit that adjusts duty cycle of pair of active switches in response to regulated bus voltage and unidirectional signal to maintain bus voltage and control level of load current in response to changes in payload.

L3 ANSWER 20 OF 32 COMPENDEX COPYRIGHT 2002 EI DUPLICATE 2
TI Technologies for spacecraft electric power systems.

L3 ANSWER 21 OF 32 AEROSPACE COPYRIGHT 2002 CSA
TI Technologies for spacecraft electric power systems

L3 ANSWER 22 OF 32 COPYRIGHT 2002 Gale Group
TI Subject: Environmental, Science And Technology News In France: May 1995

L3 ANSWER 23 OF 32 COPYRIGHT 2002 Gale Group
TI S&T News Around the World

L3 ANSWER 24 OF 32 IFIPAT COPYRIGHT 2002 IFI
TI PASSIVE (NON-CONTACT) RECHARGING OF SECONDARY BATTERY CELL(S) POWERING
RFID **TRANSPONDER** TAGS; RADIO FREQUENCY TRANSCEIVER SYSTEM

L3 ANSWER 25 OF 32 PROMT COPYRIGHT 2002 Gale Group
TI Victims of success

L3 ANSWER 26 OF 32 ISMEC COPYRIGHT 2002 CSA DUPLICATE 3
TI In-orbit performance of the Anik C and D solar arrays
CONF REC IEEE **PHOTOVOLTAIC** SPEC CONF

L3 ANSWER 27 OF 32 JICST-EPlus COPYRIGHT 2002 JST
TI Power supplies for ETS-VI **transponder** system.

L3 ANSWER 28 OF 32 JICST-EPlus COPYRIGHT 2002 JST
TI Studies on radiative thermal resistance of communications
transponders for spin-stabilized geostationary communications
satellite.

L3 ANSWER 29 OF 32 COMPENDEX COPYRIGHT 2002 EI
TI TELECOMMUNICATIONS EARTH STATIONS.

L3 ANSWER 30 OF 32 JICST-EPlus COPYRIGHT 2002 JST
TI Gallium arsenide semiconductor devices for satellites.

L3 ANSWER 31 OF 32 JICST-EPlus COPYRIGHT 2002 JST
TI Development of the satellite bus for the communications satellite No.3
(CS-3).

L3 ANSWER 32 OF 32 ENERGY COPYRIGHT 2002 USDOE/IEA-ETDE
TI Broadcasting satellites - power blackouts from solar eclipses due to the
moon.

=> d 24 bib ab

L3 ANSWER 24 OF 32 IFIPAT COPYRIGHT 2002 IFI
AN 2460981 IFIPAT;IFIUDB;IFICDB
TI PASSIVE (NON-CONTACT) RECHARGING OF SECONDARY BATTERY CELL(S) POWERING
RFID **TRANSPONDER** TAGS; RADIO FREQUENCY TRANSCEIVER SYSTEM
INF Tuttle, John R, Corrales, NM
IN Tuttle John R
PAF Micron Technology, Inc, Boise, ID
PA Micron Technology Inc (20831)
EXNAM Peckman, Kristine L
AG Paul, David J
PI US 5300875 19940405 (CITED IN 014 LATER PATENTS)
AI US 1992-894879 19920608
XPD 8 Jun 2012

FI US 5300875 19940405
DT UTILITY; REASSIGNED
FS ELECTRICAL
MRN 006193 MFN: 0253
CLMN 28
GI 1 Drawing Sheet(s), 2 Figure(s).
AB A concept of passively recharging the battery of battery backed electronic circuits and in particular utilizing these methods to recharge an RFID **transponder**'s secondary cell(s). The invention particularly relates to battery backed **transponders** which contain rechargeable batteries wherein the recharging circuitry of the present invention allows for passive (non-contact) recharging of a battery residing in a **transponder** unit that may or may not be directly accessible for handling. The passive recharging strategies disclosed include utilizing energy sources such as: 1) a radio frequency (rf) signal generated outside the package; 2) a seismic geophone; 3) seismic piezoelectric accelerometers; 4) **photovoltaic** cells located outside of the **transponder** package; 5) infrared p-v cells located inside of the package driven by the heated package; and/or 5) acoustic energy (sonic and ultrasonic) coupled to the recharging circuitry via an acoustic transducer.

=> d 12 bib ab

L3 ANSWER 12 OF 32 IFIPAT COPYRIGHT 2002 IFI
AN 3303517 IFIPAT;IFIUDB;IFICDB
TI METHOD OF DETERMINING THE SEQUENCE OF NUCLEIC ACIDS EMPLOYING SOLID-PHASE PARTICLES CARRYING **TRANSPONDERS**
INF Mandecki; Wlodek, Libertyville, IL
IN Mandecki Wlodek
PAF Pharmaseq, Inc., Monmouth Junction, NJ
PA Pharmaseq Inc (51490)
EXNAM Fredman, Jeffrey
AG Brinks Hofer Gilson & Lione
PI US 6046003 20000404
AI US 1998-13114 19980126
XPD 30 Nov 2015
RLI US 1995-564860 19951130 DIVISION 5736332
FI US 6046003 20000404
US 5736332
DT UTILITY
FS CHEMICAL
MRN 010129 MFN: 0764
CLMN 16
GI 7 Drawing Sheet(s), 7 Figure(s).
AB A method is described for determining the sequence of nucleic acids. The method employs small solid phase particles having **transponders**, with a primary layer of an oligonucleotide of known sequence attached to the outer surface of the particle. A read/write scanner device is used to encode and decode data on the **transponder**. The stored data includes the sequence of the oligonucleotide immobilized on the **transponder**. The sequence of sample nucleic acids is determined by detecting annealing to an oligonucleotide bound to a particle, followed by decoding the **transponder** to determine the sequence of the oligonucleotide.